

-- 61. The device of claim 60, including a further shaft rotatable contra to said at least one rotatable shaft wherein said means contra-rotates said shafts. --

-- 62. The device of claim 59, wherein said means is a tensile member. --

-- 63. The device of claim 59, wherein said means is of cyclically variable length. --

-- 64. The device of claim 59, wherein said means cyclically absorbs and gives up energy. --

-- 65. The device of claim 59, wherein a cross-section of part of said means resembles the cross-section of a bellows. --

-- 66. A device for the working of fluids, said device having at least one component mounted to reciprocate within a cylinder assembly consisting of at least one pair of cylinder portions each having an end, said component and end having working surfaces that in operation define a fluid working chamber of cyclically variable capacity, said at least one reciprocating component having at least one projecting section which pierces an end to transmit load imposed on said component, and means deployed between said cylinder assembly and said reciprocating component to cause said component to rotate while reciprocating. --

-- 67. The device of claim 66, wherein said projecting section is a shaft rotatable while reciprocating. --

-- 68. The device of claim 67, wherein said component has an endless trench therein having the approximate configuration of an endless circular wave-form plane. --

69. A device for the working of fluids, comprising a cylinder assembly with interior working surfaces of which have at least one circumferential depression, and a shaft reciprocable within said cylinder assembly, said shaft having at least one circumferential projection occupying part of said depression, the working surfaces of said device partly comprising the surfaces of said depression and said projection, said shaft transmitting loads imposed by said working surfaces. --

70. The device of claim 69, wherein said shaft defines at least one internal volume for the passage of working fluid. --

71. The device of claim 69, wherein said shaft comprises a scotch yoke. --

72. The device of claim 69, including at least one rotatable shaft mounted outside of said cylinder assembly and means mechanically linking said reciprocable shaft with said rotatable shaft, said means being in the form of a scotch yoke. --

73. The device of claim 72, including a further shaft rotatable contra to said at least one rotatable shaft, said scotch yoke contra-rotates said shafts. --

74. A device for the working of fluids, said device having at least one cylinder assembly, at least one component reciprocating within said assembly, said component and assembly together defining at least two fluid working chambers having surfaces of torroidal configuration and cyclically variable capacity, said surfaces of each chamber in operation being variably separated and so configured as to cause said component

to rotate while reciprocating relative to said cylinder assembly. --

-- 75. The device of claim ⁷⁴72, wherein said component is a shaft. --

-- 76. The device of claim 74, wherein said surfaces have the approximate configuration of an endless circular wave-form plane. --

REMARKS

Reexamination of this application and reconsideration of the rejection of the claims thereof are respectfully requested under the provisions of Rule 112 for the reasons set forth below.

The Examiner has requested a courtesy copy of the claims in which is indicated the Figures and pages of the specification to which the claims pertain.

The courtesy copy is submitted herewith.

The number of independent claims has been reduced from 10 to 5 to avoid double patenting. With respect to double patenting, every effort has been made to avoid claiming duplicate subject matter.

The newly submitted claims are a portion of claims 40-58 amended to provide structure to support functional statements.

With respect to unusable subcombinations, it is believed that the current claims have no such unusable combinations.

Submitted herewith is a drawing marked in red and a Letter to the Official Draftsman to indicate reference numerals 1190 and 1191 referred to on page 121 but not appearing in Figure 221. Reference numeral 1185 also was missing from Figure 220.